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## NOTICE OF ALLOWANCE AND FEE(S) DUE

21839 7590 03/11/2009 BUCHANAN, INGERSOLL & ROONEY PC POST OFFICE BOX 1404 ALEXANDRIA, VA 22313-1404 EXAMINER
HAN, YOUNGHUE JESSICA
ART UNIT PAPER NUMBER
2838
DATE MAILED: 03/11/2009

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.			
10/580,849	05/26/2006	Koichi Arisawa	1032404-000147	5007			
TITLE OF INVENTION: THREE-PHASE PWM-SIGNAL GENERATING APPARATUS							

APPLN, TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	06/11/2009

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

#### HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

#### PART B - FEE(S) TRANSMITTAL

# Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or Fax (571)-273-2885

INSTRUCTIONS: This appropriate. All further e indicated unless correcte maintenance fee notificat	form should be used f correspondence includir d below or directed off ions	or transmitting the ISS of the Patent, advance cerwise in Block 1, by				should be completed where nt correspondence address as parate "FEE ADDRESS" for	
IMMITERATIVE TECHNICATIONS.  CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)				Note: A certificate of mailing can only be used for domestic mailings of the Fe(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.			
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POST OFFICE F ALEXANDRIA,			Stat add tran	es Postal Service wi ressed to the Mail smitted to the USPT	th sufficient postage for I Stop ISSUE FEE addre O (571) 273-2885, on the	ing deposited with the United first class mail in an envelope as above, or being facsimile date indicated below.	
						(Depositor's name)	
			<u> </u>			(Signature)	
			L			(Date)	
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nonprovisional	NO	\$1510	\$300	\$0	\$1810	06/11/2009	
EXAM	INER	ART UNIT	CLASS-SUBCLASS	1			
HAN, YOUNGE	IUIE JESSICA	2838	363-132000	J			
1. Change of corresponde	nce address or indicatio	n of "Fee Address" (37	2. For printing on the p	atent front page, list			
CFR 1.363).  Change of correspo	ondence address (or Cha	nge of Correspondence	(I) the names of up to or agents OR, alternati	3 registered patent vely,			
Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.  "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer			(2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to				
PTO/SB/47; Rev 03-0. Number is required.	2 or more recent) attach	ed. Use of a Customer	2 registered patent atto listed, no name will be	rnevs or agents. If n	o name is 3		
3. ASSIGNEE NAME AT	ND RESIDENCE DATA	TO BE PRINTED ON	THE PATENT (print or ty	ne)			
PLEASE NOTE: Unle recordation as set forth	ess an assignee is ident	ified below, no assigner	e data will appear on the p	atent. If an assigne	e is identified below, the	document has been filed for	
(A) NAME OF ASSIC		Total of this form is a con-	(B) RESIDENCE: (CITY				
Please check the appropri	ate assignee category or	categories (will not be	printed on the patent):	Individual 🚨 Cor	poration or other private	group entity Government	
4a. The following fee(s) a			4b. Payment of Fee(s): (Plea				
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	o small entity discount p	ermitted)	☐ Payment by credit card. Form PTO-2038 is attached. ☐ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any				
Advance Order - #	of Copies		overpayment, to Depo	sit Account Number	e the required fee(s), any enclose	e an extra copy of this form).	
<ol> <li>Change in Entity Stat</li> <li>a. Applicant claims</li> </ol>	us (from status indicates SMALL ENTITY statu		b. Applicant is no lon	ger claiming SMAL	LENTITY status. Sec 37	CFR 1.27(g)(2).	
NOTE: The Issue Fee and interest as shown by the r	Publication Fee (if requeords of the United Sta	ired) will not be accept tes Patent and Trademar				the assignee or other party in	
Authorized Signature				Date			
Typed or printed name			Registration No.				
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an application. Confident submitting the completed this form and/or suggestie Box 1450, Alexandria, V. Alexandria, Virginia 223	iality is governed by 35 tapplication form to the ons for reducing this buringing 22313-1450. DC 13-1450.	U.S.C. 122 and 37 CFF USPTO. Time will var den, should be sent to t O NOT SEND FEES OR	A. 1.14. This collection is est y depending upon the indiv the Chief Information Office COMPLETED FORMS TO	imated to take 12 m idual case. Any cor er, U.S. Patent and T D THIS ADDRESS.	inutes to complete, including the complete in	and by the USPTO to process) fing gathering, preparing, and time you require to complete epartment of Commerce, P.O. er for Patents, P.O. Box 1450.	

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## UNITED STATES PATENT AND TRADEMARK OFFICE

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POST OFFICE BOX 1404			ART UNIT	PAPER NUMBER		
ALEXANDRIA,	VA 22313-1404	2838				

# Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 410 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 410 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

#### Application No. Applicant(s) 10/580 849 ARISAWA ET AL. Notice of Allowability Examiner Art Unit 2838 Jessica Han -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308. This communication is responsive to an amendment filed on 02/09/2009. The allowed claim(s) is/are 24,26-33,35-42 and 44-46. 3. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) 🔯 All b) ☐ Some\* c) ☐ None of the: 1. A Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)). \* Certified copies not received: \_\_\_\_\_. Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient. CORRECTED DRAWINGS (as "replacement sheets") must be submitted. (a) Including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached 1) hereto or 2) to Paper No./Mail Date (b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d). 6. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL. Attachment(s) 1. | Notice of References Cited (PTO-892) 5. Notice of Informal Patent Application 2. Notice of Draftperson's Patent Drawing Review (PTO-948) Interview Summary (PTO-413), Paper No./Mail Date Information Disclosure Statements (PTO/SB/08). 7. T Examiner's Amendment/Comment Paper No./Mail Date 4. ☐ Examiner's Comment Regarding Requirement for Deposit 8. T Examiner's Statement of Reasons for Allowance of Biological Material □ Other .

/Jessica Han/ Primary Examiner, Art Unit 2838